

**STATEMENT OF BASIS (AI No. 158737)**

for draft Louisiana Pollutant Discharge Elimination System permit No. LA0124672 to discharge to waters of the State of Louisiana.

**THE APPLICANT IS:** C-Port, LLC  
C-Port Drydock Facility  
P.O. Box 310  
Galliano, Louisiana 70354-0310

**ISSUING OFFICE:** Louisiana Department of Environmental Quality (LDEQ)  
Office of Environmental Services  
Post Office Box 4313  
Baton Rouge, Louisiana 70821-4313

**PREPARED BY:** Christy Clark

**DATE PREPARED:** November 3, 2009

**1. PERMIT STATUS****A. Reason For Permit Action:**

Issuance of a Louisiana Pollutant Discharge Elimination System (LPDES) permit for a 5-year term.

**B. NPDES permit –** NPDES permit effective date: N/A  
NPDES permit expiration date: N/A  
EPA has not retained enforcement authority.

**C. LPDES Individual Permit LA0124672 –**  
LPDES permit effective date: N/A  
LPDES permit expiration date: N/A

**D. LPDES General Permit Authorization LAR05P060 -**  
LPDES General Permit Coverage Reauthorization Effective Date:  
February 5, 2009  
LPDES General Permit Coverage Reauthorization Expiration Date:  
April 30, 2011

**E. Date Application Received:** July 17, 2009. Additional information received via mail on August 12, 2009 and via e-mail on October 27, 2009 and November 2, 2009.

**2. FACILITY INFORMATION****A. FACILITY TYPE/ACTIVITY - Shipbuilding and Ship Repair Facility**

According to the application, C-Port, LLC Drydock Facility is a shipbuilding and ship repair facility.

Dry dock ballast water is pumped from the dry dock tanks to raise the dock once the client vessel is moored. Flotation Canal water is used to flood the tanks and sink the dry dock, the discharge water is returned to its source when the dry dock is raised. There are no surfaces or equipment that comes in contact with the water in the tanks.

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Hydrostatic testing of completed projects occurs on occasion 2-3 times a year and is performed once the vessel is off the dry dock. Volumes can be significant, ranging from 100,000 to 300,000 gallons per event. Testing is performed on clean, empty tanks or vessels as an integrity test of welds and other junctions prior to releasing the vessel to the client.

Wet abrasive blasting (slurry blasting) effluent consists of low pressure water streams introduced into the sand blasting stream averaging about 3,000 gallons per day when blasting. This Office has determined that the Best Management Practices for sandblasting (Part II, Paragraph R of the Draft Permit) address this type of effluent discharge; therefore, no additional limitations will be established.

**B. FEE RATE**

1. Fee Rating Facility Type: minor
2. Complexity Type: I (per the Interim Strategy for Complexity Designation Determination for SIC codes 3731 and 3732)
3. Wastewater Type: III
4. SIC code: 3731 and 3732

**C. LOCATION** - 570 Dudley Bernard Road, Golden Meadow, Lafourche Parish  
Latitude 29°14' 19", Longitude 90°12' 35"

**3. OUTFALL INFORMATION**

Stormwater Runoff

The stormwater runoff from this facility is covered by Sector R of the Multi-Sector General Permit (MSGP) number LAR05P060 for stormwater discharges.

Outfall 001

Discharge Type: the continuous discharge of treated sanitary wastewater  
Treatment: sanitary package treatment plant - individual mechanical system with chlorination  
Location: at the point of discharge from the sanitary treatment plant prior to mixing with other waters  
Flow: intermittent, 10000 GPD  
Discharge Route: effluent pipe, thence to Flotation Canal, thence to Bayou Lafourche

Outfall 002

Discharge Type: the intermittent discharge of facility ballast water, dry dock ballast water, and void water  
Treatment: none  
Location: at the point of discharge from the vessel/dry dock prior to combining with other waters  
Flow: intermittent  
Discharge Route: effluent pipe, thence to Flotation Canal, thence to Bayou Lafourche

Outfall 003

Discharge Type: the intermittent discharge of hydrostatic testing wastewater and vessel testing

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wastewater

Treatment: none

Location: at the point of discharge from the tank or vessel being tested prior to combining with other waters

Flow: intermittent

Discharge Route: effluent pipe, thence to Flotation Canal, thence to Bayou Lafourche

**4. RECEIVING WATERS**

STREAM - Bayou Lafourche

BASIN AND SEGMENT - Barataria Basin, Segment 020403

DESIGNATED USES -

- a. primary contact recreation
- b. secondary contact recreation
- c. propagation of fish and wildlife
- d. oyster propagation

**5. TMDL STATUS**

Subsegment 020403, Bayou Lafourche, is not listed on LDEQ's Final 2006 303(d) List as impaired, and to date no TMDL's have been established. A reopener clause will be established in the permit to allow for the requirement of more stringent effluent limitations and requirements as imposed by any future TMDLs.

**6. PROPOSED EFFLUENT LIMITS**

BASIS: See Rationale below.

**7. COMPLIANCE HISTORY/COMMENTS**

1. OEC – There are no open, appealed, or pending enforcement actions as of October 20, 2009.
2. DMR Review/Excursions – There are no DMRs on file as of October 20, 2009.

**8. ENDANGERED SPECIES**

The receiving waterbody, Subsegment 020403 of the Barataria Basin is not listed in Section II.2 of the Implementation Strategy as requiring consultation with the U.S. Fish and Wildlife Service (FWS). This strategy was submitted with a letter dated November 17, 2008 from Rieck (FWS) to Nolan (LDEQ). Therefore, in accordance with the Memorandum of Understanding between the LDEQ and the FWS, no further informal (Section 7, Endangered Species Act) consultation is required. The effluent limitations established in the permit ensure protection of aquatic life and maintenance of the receiving water as aquatic habitat. Therefore, the issuance of the LPDES permit is not likely to have an adverse effect on any endangered or candidate species or the critical habitat.

**9. HISTORIC SITES**

The discharge will be from a proposed facility. LDEQ has consulted with the State Historic Preservation Officer (SHPO) in a letter dated July 20, 2009 to determine whether construction-

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related activities could potentially affect sites or properties on or eligible for listing on the National Register of Historic Places. SHPO's response letter, dated August 5, 2009, stated that the facility as proposed will have no potential effects.

#### **10. TENTATIVE DETERMINATION**

On the basis of preliminary staff review, the Department of Environmental Quality has made a tentative determination to issue a permit for the discharge described in the application.

#### **11. PUBLIC NOTICES**

Upon publication of the public notice, a public comment period shall begin on the date of publication and last for at least 30 days thereafter. During this period, any interested persons may submit written comments on the draft permit and may request a public hearing to clarify issues involved in the permit decision at this Office's address on the first page of the statement of basis. A request for a public hearing shall be in writing and shall state the nature of the issues proposed to be raised in the hearing.

Public notice published in:

Local newspaper of general circulation

Office of Environmental Services Public Notice Mailing List

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### Rationale for C-Port, LLC

#### 1. Outfall 001: treated sanitary wastewater

Pollutant	Limitation		Reference
	Monthly Avg	Daily Max	
	mg/L		
Flow MGD	Report	Report	LAC 33:IX.2707.I.1.b.
BOD <sub>5</sub>	30	45	BPJ; LAG540000 and similar discharges
TSS	30	45	BPJ; LAG540000 and similar discharges
Fecal Coliform colonies/100ml	14	43	LAC 33:IX.1113.C.5.d and LAG540000
pH, s.u.	6.0 (min)	9.0 (max)	LAC 33:IX.1113.C.1.

**Treatment:** sanitary package treatment plant - individual mechanical system with chlorination

**Discharge Location:** at the point of discharge from the sanitary treatment plant prior to combining with other waters.

**Flow:** Established in accordance with LAC 33:IX.2707.I.1.b and the LPDES Class II Sanitary Discharge General Permit for Treated Sanitary Wastewater totaling less than 25000 GPD (LAG540000), Schedule A. The monitoring frequency has been established at 1/3 months.

**BOD<sub>5</sub> and TSS:** In accordance with the LPDES Class II Sanitary Discharge General Permit for Treated Sanitary Wastewater totaling less than 25000 GPD (LAG540000), Schedule A, daily maximum limitations of 45 mg/L and monthly average limitations of 30 mg/L for BOD<sub>5</sub> and TSS with monitoring frequencies of 1/3 months have been established.

**Fecal Coliform:** In accordance with LAC 33:IX.1113.C.5.d due to the stream's oyster propagation designation and the LPDES Class II Sanitary General Permit for Treated Sanitary Wastewaters totaling less than 25000 GPD (LAG540000), Schedule A, a daily maximum limitation of 43 colonies/100 ml and a monthly average limitation of 14 colonies/100ml with a monitoring frequency of 1/3 months have been established.

**pH:** Established in accordance with LAC 33:IX.1113.C.1 and the LPDES Class II Sanitary Discharge General Permit for Treated Sanitary Wastewater totaling less than 25000 GPD (LAG540000), Schedule A. The monitoring frequency has been established at 1/3 months.

#### 2. Outfall 002: facility ballast water, dry dock ballast water, and void water.

Pollutant	Limitation		Reference
	Monthly Avg	Daily Max	
	mg/L		
Flow <sup>1</sup> MGD	Report	Report	LAC 33:IX.2707.I.1.b.
COD <sup>1</sup>	---	250	BPJ; Similar discharges (LA0108944)
Oil & Grease <sup>1</sup>	---	15	BPJ; Similar discharges (LA0108944)
Visible Sheen <sup>2</sup>	---	No presence	BPJ; Similar discharges (LA0108944)
pH, s.u. <sup>1</sup>	6.0 (min)	9.0 (max)	LAC 33:IX.1113.C.1.

1. Discharge shall be sampled whenever there is a presence of a visible sheen.

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2. When discharging.

BPJ Best Professional Judgment

*Treatment:* none

*Discharge Location:* at the point of discharge from the vessel/dry dock prior to combining with other waters.

*Flow:* Established in accordance with LAC 33:IX.2707.I.1.b. The monitoring frequency has been set at 1/event, when visible sheen is present, based on BPJ and similar discharges (LA0108944).

*COD and Oil & Grease:* Daily Maximum limitations of 250 mg/L for COD and 15 mg/L for Oil & Grease have been established with monitoring frequencies of 1/event, when visible sheen is present, based on BPJ and similar discharges (LA0108944).

*Visible Sheen:* Daily maximum limitation of no presence and a monitoring frequency of 1/day when discharging has been established based on BPJ and similar discharges (LA0108944).

*pH:* Established in accordance with LAC 33:IX.1113.C.1. The monitoring frequency has been set at 1/event, when visible sheen is present, based on BPJ and similar discharges (LA0108944).

3. Outfall 003: hydrostatic test wastewater

Pollutant	Limitation		Reference
	Monthly Avg	Daily Max	
	mg/L		
Flow MGD	Report	Report	LAC 33:IX.2707.I.1.b.
TSS	---	90	BPJ; LAG670000 and similar discharges
Oil & Grease	---	15	BPJ; LAG670000 and similar discharges
TOC	---	50	BPJ; LAG670000 and similar discharges
Benzene	---	50 µg/L	BPJ; LAG670000 and similar discharges
Total BTEX	---	250 µg/L	BPJ; LAG670000 and similar discharges
Total Lead	---	50 µg/L	BPJ; LAG670000 and similar discharges
pH	6.0 (min)	9.0 (max)	LAC 33:IX.1113.C.1.

BPJ Best Professional Judgment

*Treatment:* none

*Discharge Location:* at the point of discharge from the tank or vessel being tested prior to combining with other waters.

*Flow:* In accordance with the LAC 33:IX.2707.I.1.b. and the LPDES General Permit for Hydrostatic Test Wastewater, LAG670000, a reporting requirement for monthly average flow and daily maximum flow of once per event has been established.

*TSS, Oil & Grease, and TOC:* In accordance with the LPDES General Permit for Hydrostatic Test Wastewater, LAG670000, daily maximum limitations of 90 mg/L for TSS, 15 mg/L for Oil & Grease, and 50 mg/L for TOC with monitoring frequencies of once per event have been established.

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***Benzene, Total BTEX, and Lead:*** In accordance with the LPDES General Permit for Hydrostatic Test Wastewater, LAG670000, a daily maximum limitation of 50 µg/L for Benzene, 250 µg/L for Total BTEX, and 50 µg/L for Lead with monitoring frequencies of once per event have been established.

***pH:*** Established in accordance with LAC 33:IX.1113.C.1 and the LPDES General Permit for Hydrostatic Test Wastewater, LAG670000. The monitoring frequency has been established at 1/event.

#### **Storm Water Pollution Prevention (SWP3) Requirement**

A SWP3 is included in the permit because in accordance with LAC 33:IX.2511.A.1, storm water discharges shall not be required to obtain an LPDES permit "... except... discharges associated with industrial activity." In accordance with LAC 33:IX.2511.B.14.a-k, facilities classified as SIC code 3731 and 3732 are considered to have storm water discharges associated with industrial activity. In addition to the SWP3, the barge BMPs will be applied because barge BMPs are comparable to the SWP3 requirements.

**For first time permit issuance**, the SWP3 shall be prepared, implemented, and maintained within six (6) months of the effective date of the final permit. **For renewal permit issuance**, the SWP3 shall be reviewed and updated, if necessary, within six (6) months of the effective date of the final permit. The plan should identify potential sources of storm water pollution and ensure the implementation of practices to prevent and reduce pollutants in storm water discharges associated with industrial activity at the facility (see Part II of the permit).